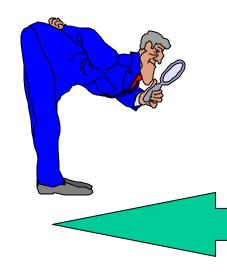
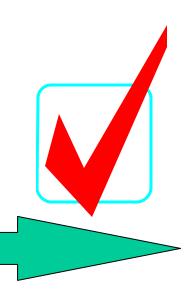
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Integrated Baseline Review

Arthur D. Anderson 3 May 1999

IBR Spectrum





System Audit "SAR"

"Check the Block"

IBR "SAR"

- At one end of the spectrum is the IBR "SAR"
- It carries the IBR name but:
 - It is run by the C/SCS cultists or consultants
 - It is System Description oriented
 - It is document oriented
 - It is trace oriented
 - It is a SYSTEM REVIEW

IBR "Check the Block"

- At the other end is the "Check the block"
- It carries the IBR name but:
 - There is no real check of the contract scope of work tie to the program plan
 - There is no real check of the schedule's major interdependencies
 - There is no real check of the a realistic resource allocation
 - There is minimal reaction to identified risk

Current Status Against The Spectrum

SAR IBRs

Check the Block

What Is Needed

- IBR early in program
 - If there is a delay, it generally is a warning sign
 - Delays cost money
 - Contractor hasn't had time to get ready
 - IBR approach incorrect
- Critical in-depth review of the plan
 - Good for customer
 - Good for contractor
 - Focus on content not grammar

Improvements - Possible Step Approach for IBR

- Identify plan (IMP)
- Identify schedule (IMS)
- Investigate resource loading
- Investigate performance measurement approach

- Investigate communication approach
- Investigate baseline control
- Investigate forecasting
- Risk identification
- Expectation leveling

Identify Plan

- What are contract requirements
- What are customer expectations based on proposal/negotiations
- How has contractor ensured the explicit and implicit requirements are met
- How has contractor integrated any subcontractors in the plan
- Where is the risk in the plan (technical)

Identify Schedule

- Are tasks identified to support the plan (including subcontractors)
- Are the tasks logical and provide continuity
- Are the tasks identified to an organization
- Are the needed interdependencies identified between tasks
- Where is the risk in the schedule

Investigate Resource Loading

- Are the labor and material estimates consistent with the associated tasks (including subcontractors)
- Is the organization staffing consistent to their tasks' estimates
- Are the rates (labor, overhead, etc.) appropriate for the organization
- What resource (cost) risks are there

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Investigate Performance Measurement Approach

- What portions of the plan are critical
- What techniques are used by the contractor and subcontractors to measure the performance on those portions of the plan
- What is the risk on the Performance Measurement approach

Investigate Communication Approach

- How does the contractor internally communicate programmatic items
- How is the contractor planning to communicate externally
 - Customer, vender, subcontractor
 - IPTs, functionally, weekly, monthly, etc
- How does the contractor link cost, schedule, risk and technical

Investigate Baseline Control

- Funding, Contract Mods, Re-planning, and OTBs
 - What are the processes and controls
 - What is linkage to plans, schedules and resources
 - What is impact on performance measurement
 - How are they communicated
- What is the risk in the Baseline Control approach

Investigate Forecasting

- How, who and when
 - Techniques, detail, and risk incorporation
 - Engineering, manufacturing and subcontractors
 - How often, cycle time, and thresholds for updates
- What is the risk in the forecasting approach

Risk Identification

- Identify the risks from above
- Technical
- Schedule
- Cost
- PerformanceMeasurement

- Communication
- Baseline control
- Forecasting

How can the risks be mitigated

Expectation Leveling

- Customer expectations
 - Wants a Lincoln, contractor should be able to make a Sable
- Contractor expectations
 - Knows how to build an Escort, might be able to make a Taurus

Challenge To All Of Us

- An IBR is a joint effort
- A good IBR expands that joint approach
 - Contractor gains insights on their customer and receives a free health check
 - Customers gain insights on their contractors and gain assurance that there won't be any surprises
- Outcome can be a win-win situation for all